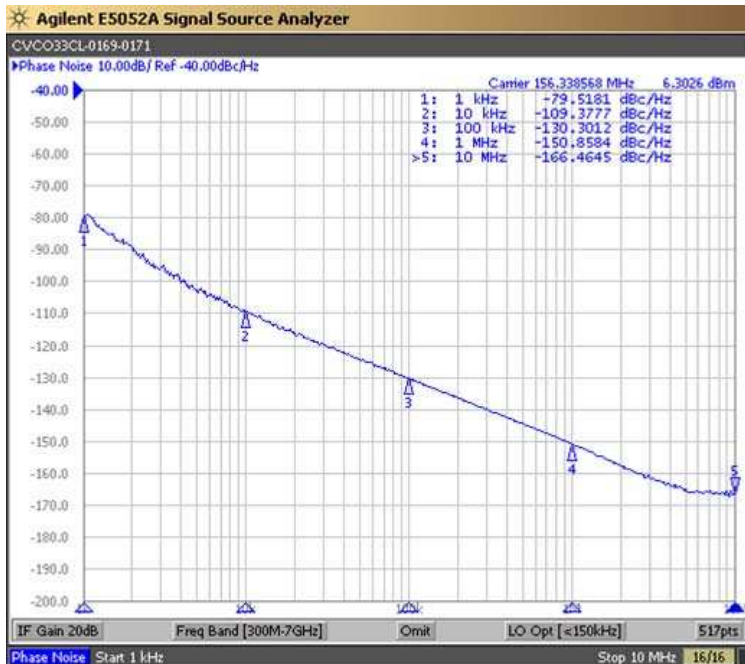


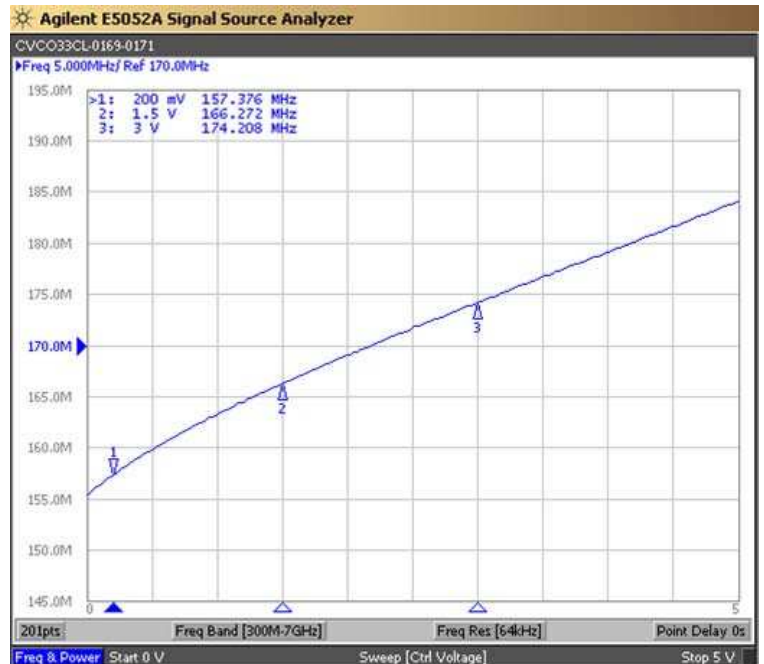


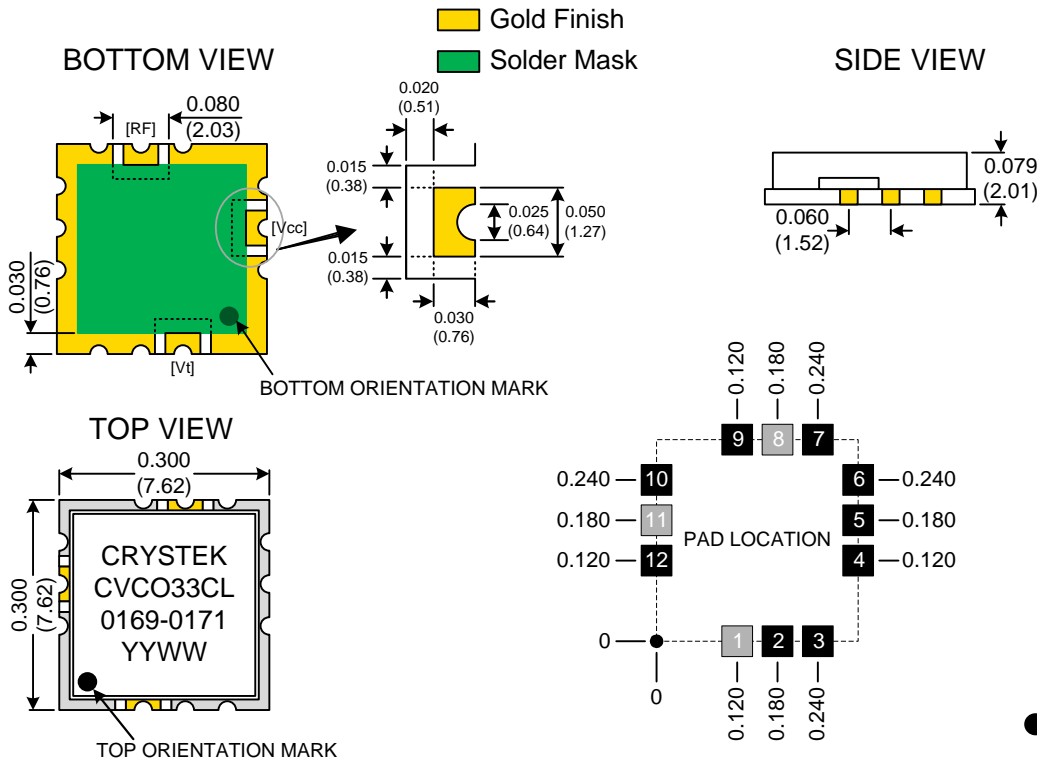
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			169	MHz
Upper Frequency:	171			MHz
Tuning Voltage:	0.2		3.0	VDC
Supply Voltage:	3.135	3.3	3.465	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2 nd Harmonic):		-10		dBc
Pushing:			1.0	MHz/V
Pulling, all Phases:			2.0	MHz pk-pk
Tuning Sensitivity:			10	MHz/V
Phase Noise @ 10kHz offset:		-109		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			470	pF
Operating Temperature Range:	-20		+60	$^{\circ}\text{C}$
Storage Temperature Range:	-40		+85	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)



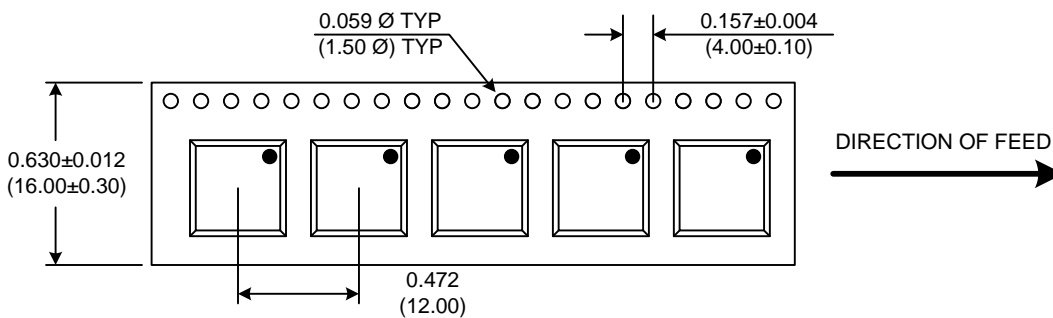
Tuning Curve (Typical)





- Unless otherwise specified, Dimensions are in: $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO33CL-0169-0171	Release Date:	01-Aug-10
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice